

CLAIMS

What is claimed is:

1 1. A method for processing macros of varying grammatical invocation by a pre-
2 processor, said method comprising:

3 receiving an identifier token from source code;

4 in response to said identifier token matching a macro identifier stored in a
5 symbol table,

6 replacing said identifier token with a macro form token
7 corresponding to said identifier token from said symbol table;

8 sending said macro form token to a glue routine;

9 invoking a macro invocation parser by said glue routine;

10 10 transferring tokens to said macro invocation parser via said glue
11 11 routine until a completion of said macro invocation; and

12 12 sending a macro body definition of said macro to a lexer by said
13 13 macro invocation parser.

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- 1 2. The method of Claim 1, wherein said receiving step is performed by a lexer.
- 1 3. The method of Claim 1, wherein said replacing step is performed by a lexer.
- 1 4. The method of Claim 1, wherein said sending step is performed by a lexer.
5. The method of Claim 1, wherein said transferring step further includes transferring tokens from a lexer to said macro invocation parser.

1 6. A computer program product residing on a computer usable medium for processing
2 macros of varying grammatical invocation by a pre-processor, said computer program
3 product comprising:

4 program code means for receiving an identifier token from source code;

5 in response to said identifier token matching a macro identifier stored in a
6 symbol table,

7 program code means for replacing said identifier token with a macro
8 form token corresponding to said identifier token from said symbol
9 table;

10 program code means for sending said macro form token to a glue
11 routine;

12 program code means for invoking a macro invocation parser by said
13 glue routine;

14 program code means for transferring tokens to said macro invocation
15 parser via said glue routine until a completion of said macro
16 invocation; and

17 program code means for sending a macro body definition of said
18 macro to a lexer by said macro invocation parser.

1 7. The computer program product of Claim 6, wherein said program code means for
2 receiving is a lexer.

1 8. The computer program product of Claim 6, wherein said program code means for
2 replacing is a lexer.

1 9. The computer program product of Claim 6, wherein said program code means for
2 sending is a lexer.

10. The computer program product of Claim 6, wherein said program code means for
transferring further includes computer code means for transferring tokens from a lexer to
said macro invocation parser.